

## REPORT

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products. SAG Kabel formerly issued specification booklets for each instrument to be developed. No new Soviet orders have been given to the enterprise since the dissolution of SAG Kabel. The Soviet orders that are still under development are those that were given to the enterprise in 1953 and previous years.

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- d. Dr. Lauenrot (fnu) was doing research on telephone development. Zerner (fnu) was doing development work on remote control for telephones.

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- e. [REDACTED] make duplicates of tele-  
[REDACTED] se attempts have not

- f. In the Sound Transmitter [REDACTED] transmitters built by Radeberg were tested for [REDACTED] acity. This work was under the supervision of [REDACTED] SED. Another worker in this section is [REDACTED] SED. [REDACTED] replaced Certel (fnu) in this [REDACTED] [REDACTED] from the enterprise and went to Funkwerk Kopenhagen.

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4. Research and development work [REDACTED] known as HEF and destined for the USSR included [REDACTED]

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- a. Two frequency analyzers [REDACTED] laboratory were delivered to the [REDACTED]

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- b. Seidel, in conjunction with Dr. Moser (fnu), built a measuring device (Messplatz) which is used to calibrate measuring instruments (Messgeraete). This was of extreme interest to the Soviets and was delivered at the end of 1953, even though it was not fully completed.

- c. Springstein (fnu) developed and built a phase meter which was delivered to the USSR at the end of 1953. It serves to measure the phase deviation of individual apparatus.

- d. A time interval meter (Laufzeitmesser) was developed by Springstein. The Soviets showed extreme interest in this meter. Dr. Guenther Ullrich and Dr. Peter Weidhart declared that Springstein worked incorrectly and that he had not constructed a functioning apparatus. The work, however, was sent to Moscow for checking and the report came from there that the apparatus would probably work and that Springstein should continue with his efforts. It was also further reported that no perfect device of this nature had been developed in Western countries.

5. It is rumored in VEB Werk fuer Fernmeldewesen "HF" that the Soviets give development and construction orders in both East Germany and the USSR for identical apparatus. The finished devices are then compared and combined if possible, to make an ultimate working apparatus. Orders from the USSR to the enterprise formerly came from SAG Kabel. Soviet officials came to accept and inspect the finished

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3. The following development and research projects in which no Soviet interest was expressed were carried out under Rehbeck's supervision:

a. Four 10 kw television transmitters were in development and con-

had one [redacted] stage. The amplifying stage, [redacted] developed and there were no reasons why it [redacted] several enterprises were concerned in the production of these transmitters.

The 3 kw image transmitter was being developed at the developmental plant of VEB Werk fuer Fernmeldewesen "HF".

- 2) The 3 kw sound transmitter was being constructed at VEB Sachsenwerk Radeberg.
  - 3) The 10 kw final transmitting stage was being built in the apparatus plant of the enterprise, on Neue Bahnhofstrasse in East Berlin.
  - 4) The control panels were being constructed in the developmental plant of the enterprise.
  - 5) The necessary antennae must be completely developed from the beginning because no printed material on such antennae is available. Approximately three million DEM have been authorized for the development and final construction of these four television transmitters.
- b. A 3 kw AM and FM broadcasting transmitter was under development in October 1954. It was to remain in the enterprise and has been designated by the [redacted] transmitter for [redacted] ment of transmitter [redacted] been built. It is doubtful whether this power stage can control (steuern) the final 3 kw stage. According to the State Planning Commission, this transmitter was to have been completed at the end of September 1954, but an extension of this term was requested and it was to be ready by the end of December 1954. It was probable, however, that this term also would not be met.
- c. An FM modulation degree meter (Modulationsgradmesser) was being developed by Hempel (fna). The development work had been completed and also the construction. Hempel was testing it at the end of September 1954. His apparatus for FM transmitters is coupled into the transmitter in its final stage. It consists of a tube [redacted] and a [redacted].

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